



## CITY OF DURHAM | NORTH CAROLINA

**Date:** May 19, 2015

**To:** Thomas J. Bonfield - City Manager  
**Through:** W. Bowman Ferguson - Deputy City Manager  
**From:** Marvin G. Williams – Director of Public Works  
**Subject:** Contract for Rental Equipment for Paving Operations

### Executive Summary

In an effort to address recurring pavement maintenance issues on several City streets the Department of Public Works (Public Works) is seeking approval to lease various pieces of specialized heavy equipment to perform extensive pavement repairs on several streets citywide through the maintenance division. Public Works intends to perform extensive pavement repairs to approximately five (5) miles of street segments within the City that currently have a pavement condition index rating (PCI) of 60 or lower through the maintenance division of the department. The proposed leasing contract will allow Public Works to lease the needed equipment (an asphalt paver and asphalt milling machine) for six (6) months from Gregory Poole Caterpillar of Mebane, NC.

### Recommendation

The Department of Public Works recommends that the City Council authorize the City Manager to enter into an equipment lease agreement with Gregory Poole Caterpillar in the amount of \$207,000 and authorize the City Manager to negotiate extensions to this lease agreement provided that the total equipment lease agreement does not exceed \$257,000.

### Background

In an effort to generate a multi-year paving plan, the Department of Public Works contracted with Transmap Corporation of Upper Arlington, Ohio to conduct a Pavement Condition Index (PCI) Study of the City maintained asphalt streets in 2013. The scope of the study included a report of the existing pavement conditions for City maintained streets, the development of pavement deterioration models using several funding scenarios over a 5-year and 10-year period and the identification of various maintenance and rehabilitation approaches for the City's street network.

One of the maintenance approaches that Public Works has identified as a result of the PCI study is to address several recurring pavement failures with full-depth asphalt patches on various streets and to complete short segments of asphalt overlays prior to performing street resurfacing through annual pavement resurfacing contracts. The maintenance and engineering divisions of Public Works have jointly identified several streets from the 2013 PCI study that will require extensive pavement repairs prior to resurfacing. In order to complete these repairs Public Works will need to utilize various pieces of paving equipment that are currently not within the City's fleet of vehicles and equipment (asphalt paver and asphalt milling machine).

Public Works has identified the equipment needed to perform these repairs and is seeking authorization to lease this equipment for a six (6) month period from Gregory Pool Caterpillar. This

equipment will allow the department to perform extensive pavement repairs and short segments of asphalt overlays on various City streets that have recurring pavement maintenance issues. This maintenance approach will allow Public Works to temporarily extend the pavement life of various streets as outlines in the pavement maintenance and rehabilitation approaches that Transmap provided to the City.

### Issues and Analysis

The Department of Public Works has not been able to identify another equipment leasing company within the state that has this specific equipment available for short-term leasing. Public Works has contacted various equipment leasing vendors in South Carolina and Virginia and all have either excessive long term leasing requirements, limited equipment availability or equipment that does not fit the specific needs for this maintenance effort.

Section	FACILITYID	Street	BEG_DESC	END_DESC	PCI (2013)
North	52746	Alabama Ave	Verdun St	W Carver St	25
North	55557	Chester St.	Fern St.	Lowry Ave.	51
North	56194	E Main St	Hood St	N Elizabeth St	52
North	14354	Granby St.	Granby St.	Drew St.	53
North	52956	Hinson Dr.	De Mille St.	Waring St.	21
North	52916	Hinson Dr.	Waring St.	Da Vinci Dr.	34
North	57193	Owen St.	Angier Ave.	Bruce St.	36
North	55806	Raynor St	N Miami Bv	Fidelity Dr	43
North	57430	S Hoover Rd	Ashe St	Boone St	49
North	56483	S. Elm St.	Walker St.	Henderson St.	22
North	56504	S. Elm St.	Henderson St.	E. Ramseur St.	36
North	53023	Shoccoree Dr	Oneluska Dr	Sunnyside Dr	48
North	52902	Shoccoree Dr	Sunnyside Dr	Dead End	53
North	53079	Shoccoree Dr	Cole Mill Rd	Oneluska Dr	60
South	61103	Carpenter Fletcher Rd	Lone Tree Ct	Lacy Rd	37
South	60820	Carpenter Fletcher Rd	Barbee Rd	Timbermill Ln	38
South	61025	Carpenter Fletcher Rd	Beechtree Ct	Lone Tree Ct	40
South	60930	Carpenter Fletcher Rd	Timbermill Ln	Beechtree Ct	47
South	61190	Carpenter Fletcher Rd	Lacy Rd	Bluestone Rd	60
South	59340	Cornwall Rd	Surrey Ln	Dover Rd	60
South	61597	Crooked Creek	Fayetteville Rd.	Windcrest Rd.	34
South	56265	Halley St	Rosedale Ave	Moreland Ave	55
South	61593	Holt School Rd	Fayetteville Rd.	Creeks Edge Ct.	44
South	60901	Lacy Rd	Timbermill Ln	Sedgewood Ct	54
South	60793	Lacy Rd	Briarwood Ct	Timbermill Ln	58
South	57635	Pickett Rd	Chapel Hill Rd.	W. Cornwallis Rd	48
South	56184	Proctor St.	N. Duke St	Hill St.	59
South	56177	Proctor St.	Victors Ave	Shepherd St.	Null

South	58426	Red Oak Ave	400 Atlantic St	Fayetteville st	8
South	64393	Red Oak Ave	1010 Deadend	Crowell St	55
South	60435	S Roxboro St	Greenview Dr	Eagle Ridge Ct	53
South	60502	S Roxboro St	Eagle Ridge Ct	Oakbrook Dr	53
South	63473	Suffolk St	Saxony Dr	Stonehedge Av	43
South	63472	Suffolk St	Shrewsbury St	Saxony Dr	46
South	61363	Wedgewood Ln	Shannas Wy	Henner Pl	21

### Alternatives

City Council can choose not to approve of this request and Public Works will continue to perform isolated pavement repairs on a routine basis that may result in more expensive long term maintenance costs.

City Council can direct Public Works to look beyond the Tri-State region (North Carolina, South Carolina and Virginia) for additional equipment leasing options. This alternative will delay the completion of the major maintenance activities while another vendor is identified and may result in a higher cost for equipment leasing.

### Financial Impact

This project will be funded in the Maintenance Division operating budget as follows:

Year	Org	Object	Amount
FY15	0L010100	720704	\$ 34,500
FY16	0L010100	720704	\$172,500

### SDBE Summary

The Equal Opportunity/Equity Assurance Department reviewed the proposal submitted by Gregory Poole Equipment Company of Raleigh, North Carolina and have determined that they are in compliance with the Ordinance to Promote Equal Business Opportunities in City Contracting.

### SDBE Requirements

MSDBE or WSDBE goals were set.

### Workforce Statistics

Workforce statistics for Gregory Poole Equipment Company are as follows:

Total Workforce	422	
Total Females	78	(18%)
Total Males	344	(82%)
Black Males	22	(5%)
White Males	309	(73%)
Other Males	13	(3%)
Black Females	8	(2%)
White Females	66	(16%)
Other Females	4	(1%)

**Bidder Safety Record Review Summary**

The Bidder Safety Record Review Summary is not applicable for this item.